

# KBSW183501 Android-/

GetPowerStatus ,

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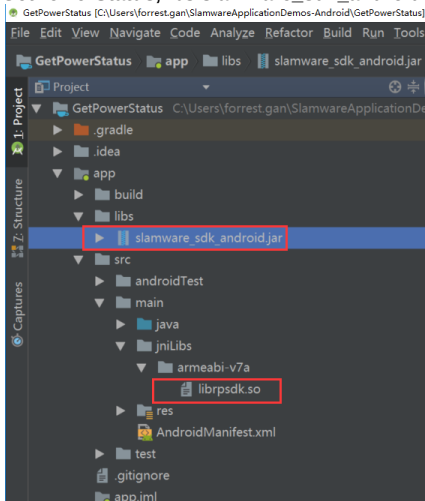
- - Android Studio 3.1.3
  - Slamware Android SDK: [slamware\\_sdk\\_android.2.6.0\\_rtm.20180820.tar.gz](#)
  - RoboStudio():[Robostudio installer](#)
  - Sample Code:



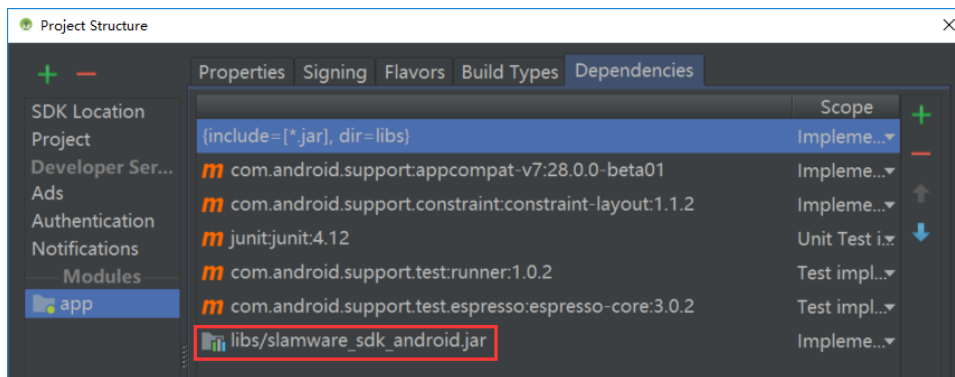
Android Studiobuild.gradleSlamware Android SDK 2.6.0 SDK slamware\_sdk\_android.jar libbpsdk.so

- - Slamware SDP mini
  - Slamware SDP
  - Slamware Slamware
  - Zeus/Apollo

## 1. GetPowerStatus,libs slamware\_sdk\_android.jar jinLibs libbpsdk.so SDK



## 2. Project Structure --> app --> Dependencies Slamware SDK



3. "10.0.130.71"IP192.168.11.1WiFiStationPCEthernetAbstractSlamwarePlatform connect(String host, int port)hostIPport

```
/* */
AbstractSlamwarePlatform robotPlatform = DeviceManager.connect("10.0.130.71", 1445);
```

4. AndroidWiFiShift + F10 Android

## GetPowerStatus

SDK Version : 2.5.0\_rc1

device ID : A4EE9607E1EEF79AD5E7F4F9763853CD

充电状态：未在充电

直流连接：未连接

剩余电量：99%

回桩状态：已回桩

睡眠模式：Awake

SDK

5. Android Studio Logcat

```
Robot Platform is Charging: false
Robot Platform is DC connected: false
Robot Platform Battery Percentage: 99
Robot Platform Sleep Mode: Awake
Robot Platform Docking Status: OnDock
=====
```

```

/* */
AbstractSlamwarePlatform robotPlatform = DeviceManager.connect("10.0.130.71", 1445);

/* */
sdkVersion.setText(robotPlatform.getSDKVersion());

try {
    /* Slamware ID */
    deviceID.setText(robotPlatform.getDeviceId());

    /* */
    PowerStatus powerStatus = robotPlatform.getPowerStatus();

    /* */
    if(powerStatus.isCharging() == true) {
        chargingStatus.setText("");
    } else {
        chargingStatus.setText("");
    }

    /* DC connected */
    if(powerStatus.isDCConnected() == true) {
        dcConnected.setText("");
    } else {
        dcConnected.setText("");
    }

    /* */
    batteryPercentage.setText(powerStatus.getBatteryPercentage() + "%");

    /* */
    if(powerStatus.getDockingStatus() == DockingStatus.OnDock) {
        dockStatus.setText("");
    } else if (powerStatus.getDockingStatus() == DockingStatus.NotOnDock) {
        dockStatus.setText("");
    } else {
        dockStatus.setText("");
    }

    /* */
    switch (powerStatus.getSleepMode()) {
        case Awake:
            sleepMode.setText("Awake");
            break;
        case WakingUp:
            sleepMode.setText("WakingUp");
            break;
        case Asleep:
            sleepMode.setText("Asleep");
            break;
        case Unknown:
            sleepMode.setText("Unknown");
            break;
        default:
            break;
    }

    /* print log info */
    ...

} catch (ConnectionFailException e) {
    /* Exception Handle code*/
    ...
}

```